

Interactive comment on “Predicting ambient aerosol Thermal Optical Reflectance (TOR) measurements from infrared spectra: elemental carbon” by A. M. Dillner and S. Takahama

Anonymous Referee #1

Received and published: 14 August 2015

this Ms describes an alternative, non-destructive, way to obtain EC concentrations from (archived) PTFE filters collected by air monitoring networks. The method is described adequately (with reference to a companion paper dealing with obtaining OC concentrations) and the MS presents an exhaustive analysis of the performance of the method. Issues such as applicable concentration range, site differences etc are satisfactorily addressed. Whether this method is going to supplement or even replace the standard thermal optical determination of EC will be seen, but it is an interesting alternative and may have applications using archived filters

there are several cut-and-past remnants, typos and incomplete sentences, so I suggest

C2602

to go through the MS again carefully

Interactive comment on Atmos. Meas. Tech. Discuss., 8, 6325, 2015.